

08/14/01  
JC966 U.S. PTO

08-15-01

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PATENTS, TRADEMARKS, COPYRIGHTS

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09/29/01  
08/14/01

**BOX PATENT APPLICATION**

Commissioner for Patents  
Washington, D.C. 20231

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**FILED UNDER 37 C.F.R. §1.53(b)**

Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): **Siu-Wai WU and Jing Yang CHEN**

Title: **NOISE REDUCTION PRE-PROCESSOR FOR DIGITAL VIDEO USING  
PREVIOUSLY GENERATED MOTION VECTORS AND ADAPTIVE SPATIAL  
FILTERING**

**APPLICATION ELEMENTS:**

- (1) ☒ Patent Application Specification, including Abstract and claims - 22 pages  
(2) ☒ Four (4) sheets of formal drawings, together with transmittal letter  
(3) ☒ A check in the amount of \$910 to cover the ☒ filing fee (\$870.00 ) and/or  
☒ Assignment Recordal Fee (\$40) is enclosed.
- ☐ Before calculating the fee, cancel claim(s)  
☐ Before calculating the fee, see copy of Preliminary Amendment filed in parent  
application \_\_\_\_\_ (attached hereto.)

Basic Fee								\$	710.00
Multiple Dependent Claims (\$260.)									
Foreign Language Surcharge (\$130.)									
	For	No. Filed	-	No. Extra		Rate			
EXTRA	Total Claims	12	20	0	x	\$18.	=	\$	0.00
CLAIMS	Independent Claims	5	3	2	x	\$80.	=	\$	160.00
<b>TOTAL FILING FEE</b>								=	\$ 870.00

- ☒ The Commissioner is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 50-0625.

**Box Patent Application**  
**Commissioner for Patents**  
**Page 2 of 3**

- (4) ☒ Declaration and Power of Attorney form -- 2 pages
- a. ☒ Newly executed
  - b. ☐ Copy from a prior application
  - c. ☐ Deletion of inventor(s) – signed statement attached deleting inventor(s) named in the prior application.
- (5) ☐ Small Entity Status

**ACCOMPANYING APPLICATION PARTS:**

- (6) ☒ Assignment document
- a. ☒ Newly executed (with \$40.00 recordal fee) and separate transmittal Form PTO-1595
  - b. ☐ Copy from a prior application
  - c. ☒ Please include assignee information when this application is published  
**Assignee: General Instrument Corporation**  
**101 Tournament Drive**  
**Horsham, PA 19044**
- (7) ☐ Preliminary Amendment
- (8) ☐ Certified Copy of Priority Document, together with separate transmittal letter
- (9) ☐ Information Disclosure Statement, together with PTO Form 1449 and copies of cited references
- (10) ☒ Return receipt postage prepaid postcard
- (11) ☒ Express Mail Certificate (Mailing Label No. EL 827616742 US)
- (12) ☒ Patent Application Data Entry Form
- (13) ☐ Other:
- a. ☐

**Box Patent Application**  
**Commissioner for Patents**  
**Page 3 of 3**

- (14) [ ] If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)

of prior application no.:

Prior application information:

Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

Status: \_\_\_\_\_

FOR CONTINUATION or DIVISIONAL APPLICATIONS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under paragraph 4(b) above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

- (15) [ ] Please amend the specification by inserting before the first line the sentence:

- (16) [ ] This application claims the benefit of \_\_\_\_\_ Patent Application No. \_\_\_\_\_ filed on \_\_\_\_\_.

- (17) [X] Correspondence address:  
**Barry R. Lipsitz**  
**Law Offices of Barry R. Lipsitz**  
**755 Main Street, Building 8**  
**Monroe, CT 06468**  
**Telephone: (203) 459-0200**

Respectfully submitted,



Barry R. Lipsitz  
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**ATTORNEY DOCKET NO.: GIC-643**  
**Date: August 14, 2001**

P A T E N T

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Wu et al.

Application No.:

Filed: Herewith

For: **NOISE REDUCTION PRE-PROCESSOR FOR DIGITAL VIDEO USING PREVIOUSLY  
GENERATED MOTION VECTORS AND ADAPTIVE SPATIAL FILTERING**

**BOX PATENT APPLICATION**

Commissioner for Patents

Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

"Express Mail" mailing label number: **EL 827616742 US**

Date of Deposit: **August 14, 2001**

I hereby certify that the attached:

- ☒ Check in the amount of \$910 (Filing fee (\$870) and recordal fee (\$40));
- ☒ Return receipt postage prepaid postcard;
- ☒ Transmittal letter for new patent application;
- ☒ Patent Application Specification, including Abstract and Claims (22 pages);
- ☒ Four (4) sheets of formal drawings, together with transmittal letter;
- ☒ Declaration and Power of Attorney form;
- ☒ Assignment, together with Form PTO-1595;
- ☒ Patent Application Data Entry Form.

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: **BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231**

Michele Hollis

(Typed or printed name of person mailing paper or fee)

*Michele Hollis*

(Signature of person mailing paper or fee)

Respectfully submitted,

*Barry R. Lipsitz*

Barry R. Lipsitz  
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(203) 459-0200

Date: **August 14, 2001**

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